

CLAIMS

I claim:

1. A drive source of camera lens comprises camera lens mount and multiple telescopic lens, whereas the drive source is comprised of a stepper motor made with coil stator with multiple pole teeth and the magnetic ring rotor. The camera lens mount is built with coil stator inside, and the magnetic ring rotor is affixed to the designated space of the coil stator. The external thread of the telescopic lens is screwed with the internal thread inside the spindle of the magnetic ring rotor, and the limit traveler outside of the telescopic lens couples with the guide block of the camera lens mount to form a rotation-proof device, so as to rotate magnetic ring rotor as a result to the reaction to coil stator. The internal thread inside the spindle drives the telescopic lens with external thread to form a camera lens module with built-in drive source.

2. The drive source of camera lens defined in Claim 1, wherein said camera lens mount is equipped with a thrust ring on the up- and down-side of the magnetic ring rotor respectively to limit the axial movement of the magnetic ring rotor and offers thrust reversal to telescopic lens in telescopic movement.

3. The drive source of camera lens defined in Claim 1, wherein said guide block of camera lens mount can be affixed to a sheath, which is stabilized on the camera lens mount, also the coil stator inside the camera lens mount.

4. The drive source of camera lens defined in Claim 1, wherein said external thread and limit traveler of the telescopic lens can be affixed to the peripheral surface of the lining tube so as to stabilize the telescopic lens to the terminal of the lining tube for convenient assembly of the telescopic lens.